安泰信电子测量仪器

- 射频微波仪器 • 射频微波器件 • 频谱分析仪 • 直流稳压电源
- 交流稳压电源 • 直流开关电源 • 数字示波器 • 信号源 • 衰减器
- 放大器 • 850热风拔放台 • 936恒温烙铁 • 电子仪器 • 电子工具

ATTEN INSTRUMENTS

- RF Microwave Instruments • RF Microwave Components
- Spectrum Analyzers • Regulated DC Power Supply
- Regulated AC Power Supply • Switching DC Power Supply
- Digital Storage Oscilloscope • Signal Generator • Attenuator • Amplifier
- 850 Rework Station • 936 Constant Temp Soldering Station
- Electronic Instruments • Electronic Tools

经销商 FRANCHISER

ATTEN®
INSTRUMENTS

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CBN 019139

THE NO.1 [中国仪器第一品牌]
INSTRUMENTS BRAND IN CHINA
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ATTEN®
INSTRUMENTS

PPS300XS/Series

PROGRAMMABLE DC POWER SUPPLY

PPS3003S / PPS3005S

高精度单路可编程直流电压电流源 **电源**

User's Manual / 中文使用说明书

深圳市安泰信电子有限公司
SHENZHEN ATTEN ELECTRONICS CO., LTD.
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ATTENTION

- Kindly use the rated input voltage;
- Never operate at a high temperature and the cooling exit mustn't be blocked;
- Please make the fuse with rated parameters equipped.

1.voltage display	Displaying setted voltage or output voltage display
2.current display	setted current display or output current display
3.Storage data instruction	instructing storage data
4.Adjusting knob	current and voltage adjusting knob
5.Key store	storage-selected key
6. ↑	Selecting the next storage
7. ↓	Selecting the previous storage
8.V SET	Voltage setting
9. I SET	Current setting
10.Key OUTPUT	Switching on or off output voltage
11.ON/OFF button	
12. output port and grounding port	
13. fan	
14.AC input socket	
15.Interface USB or RS232, depending on the exact requirements	

OPERATING INSTRUCTIONS

1. Output Voltage Adjustment: Press the key [VSET] and then the value of voltage setting will be displayed on the voltage display; and the place setted flickers. Repress and the selected place of the setting values will be changed. And turn the knob and the setting value of the output voltage will be adjusted when the setted place flickers. Stop turning for a few seconds, then the setted place stops flickering and the power will return to the initial status.

2.Output Current Adjustment: Press the key [ISET] and then the value of voltage setting will be displayed on the voltage display; and the place setted flickers. Repress and the selected place of the setting values will be changed. And turn the knob and the setting value of the output voltage will be adjusted when the setted place flickers. Stop turning for a few seconds, then the setted place stops flickering and the power will return to the initial status.

3.Over current protection: Press the key [RECALL] and the storage direction will flicker. At this time, press [OUTPUT] and it will stop flickering, when the power is in the mode of over current protection; that is, the over current protection starts when the current is up to the setted value; Switch off the output voltage and the over current protection light [OCP] is on.

Eliminating the mode of the over current protection: press the key [RECALL] and the storage direction will flicker. At this time, press [OUTPUT] and it will stop flickering, when the power supplies will exit from the over current protection mode.

4.Storage Selection: Press the key [STORE] and the storage direction light will flicker, which indicates the current storage data. Then press the key [↓] and the next parameters of voltage and current can be selected; press [↑] and the previous parameters can be selected. In any storage direction, the relevant storage units can be stored when the parameters of voltage and current are setted.

5.Switching on or off the output: Press the key [OUTPUT] and the output voltage will be switched on or off.

感谢您选择本公司产品，在使用本产品之前，请仔细阅读本手册。

安全指引

- 不要将重物放置在设备之上。
- 避免撞击或粗暴操作对设备造成损害。
- 不要用设备进行静电放电。
- 不要有物体阻碍风扇散热出口。
- 在设备连接到电源时，不要使设备带电工作。
- 在没得到服务人员确认前不可私自拆卸设备。

设备电源警告

- 输入电压AC220V,50Hz(110V可选)
- 电源线应带有可靠接地以避免电击。

产品简介

PPS系列单路编程电源综合数字电源和模拟电源的优点，具有高稳定度，低纹波，操作控制简便,各种保护功能齐全，可为您提供便捷可靠的高品质电源。

型号	PPS3003S	PPS3005S
输出电压	0~30V	0~30V
输出电流	0~3A	0~5A
输出功率	90W	150W

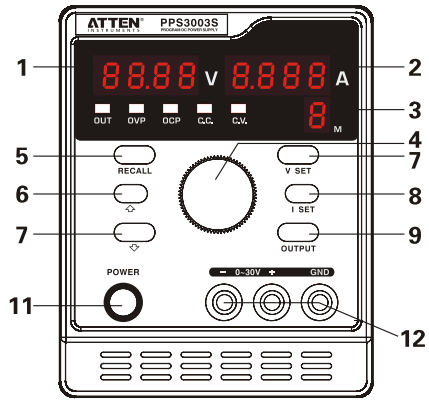
技术参数

此参数为25±5℃环境下,开机两分钟后所测指标。

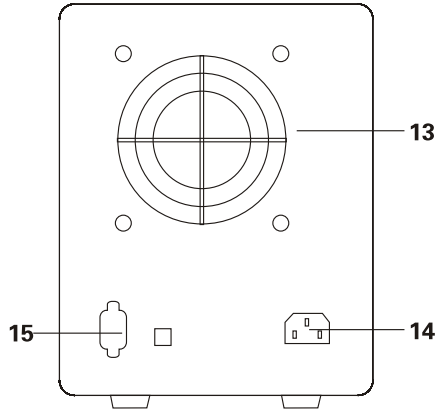
电源效应: CV≤0.01%+3mV(AC±5%)
负载效应: CV≤0.5%+10mV
纹波和噪声: ≤1.0mVrms
输出精度: V:0.5%+2Lsb I:1%+5Lsb
回读精度: V: 0.5%+10Lsb I:1%+20Lsb
保护种类: 过流保护,过压保护,过温保护
接口: USB接口（据客户要求选配）
使用环境: 0–40℃，湿度小于80%

产品面板图

前面板图



后面板图



1. 电压显示
2. 电流显示
3. 存储组数指示
4. 调节旋钮
5. STORE键
6. ↑
7. ↓
8. VSET
9. ISET
10. OUTPUT键
11. 电源开关按钮
12. 输出端口及接地端口
13. 风扇
14. 交流输入插座
15. USB或RS232接口 (视要求而定)

1. 电压显示	显示设定电压或输出电压显示
2. 电流显示	显示设定电流或输出电流显示
3. 存储组数指示	指示存储组数
4. 调节旋钮	电压电流调节旋钮
5. STORE键	调用存储按键
6. ↑	调用下一组存储
7. ↓	调用上一组存储
8. VSET	电压设置键
9. ISET	电流设置键
10. OUTPUT键	打开或关断输出电压
11. 电源开关按钮	
12. 输出端口及接地端口	
13. 风扇	
14. 交流输入插座	
15. USB或RS232接口(视要求而定)	

操作说明

1、输出电压调节：按下【VSET】键，电压显示窗口即显示电压设置值，且设置位闪烁，重复按下后，可改变设置值选中位，设置位闪烁时转动旋钮即可调节输出电压设置值。停止转动数秒后设置位停止闪动，电源恢复初始状态。

2、输出电流调节:按下【ISET】键,电流显示窗口即显示电流设置值，且设置位闪烁，重复按下后，可改变设置值选中位，设置位闪烁时转动旋钮即可调节输出电流设置值。停止转动数秒后设置位停止闪动，电源恢复初始状态。

3、**过流保护设置**：按下【RECALL】键，存储指示闪烁，此时按下【OUTPUT】，存储指示闪烁停止，此时电源进入过流保护模式，即当电流达到设定值时过流保护启动，关断输出电压，同时过流保护灯【OCP】亮。

清除过流保护模式：按下【RECALL】键，存储指示闪烁，此时按下【OUTPUT】，存储指示闪烁停止，此时电源退出过流保护模式。

4、存储调用：按下【STORE】键，存储指示位闪烁，指示当前存储组数，此时按下【↓】键，即可调出下一组电压电流参数，按下【↑】键，即可调出下一组电压电流参数。在任意一组存储指示时设置电压电流参数即可存入相应存储单元。

5、打开或关闭输出：按下【OUTPUT】键即可打开或关断输出电压。

注意事项

- 使用额定输入电压。
- 避免环境温度过高,机后散热孔不能堵塞。
- 请使用额定参数的保险丝

Thanks a lot for choosing our products. Please kindly read this manual carefully before operation.

INSTRUCTIONS

- Never put the heavy objects on this equipment;
- Never crash or damage the machine due to improper operation;
- Never make the equipment be static discharge;
- Don't block the cooling exit;
- Don't make the equipment power on when it is connected to the power;
- Never disassemble it unless getting the confirmation of the professionals.

WARNING

- Output voltage AC 220V, 50Hz (110V optional)
- The power cord must be with reliable grounding to avoid the electronic shock.

BRIEF INTRODUCTION OF THE PRODUCT

PPS series single programmable power supplies, with high stability, low ripple, easy operation and complete protection functions, are combined with the advantages of digital power supplies and analog power supplies. Therefore, we can provide you handy, reliable and quality power supplies.

Model	PPS3003S	PPS3005S
Output voltage	0~30V	0~30V
Output current	0~3A	0~5A
Output power	90W	150W

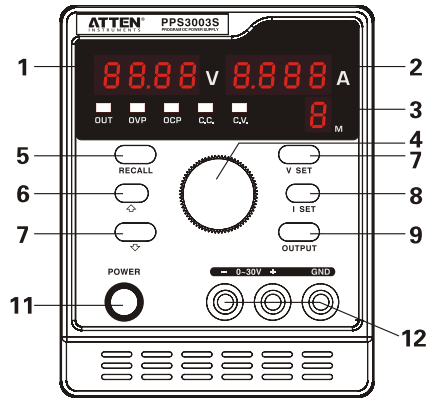
TECHNICAL PARAMETERS

These parameters are tested under 25 ± 5℃ and after 2s power on.

Power effect: CV≤0.01%+3mV(AC±5%)
Load effect: CV≤0.5%+10mV
Ripple and noise: ≤1.0mVrms
Output accuracy: V: 0.5%+2Lsb
I: 1%+5Lsb
Read-back accuracy: V: 0.5%+10Lsb
I: 1%+20Lsb
Types of protection: over current, over voltage, over temperature
Interface: USB (optional according to the requirements of the customers)
Working environment: 0 ~ 40℃
Humidity: less than 80%

DIAGRAMS OF PANELS

Front Panel



Rear Panel